

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Dearnaley et al.

Serial No.: 09/901,364

Filed: July 9, 2001

For: Life Extension of Chromium
Coatings and Chromium Alloys

Group Art Unit: 1742

Examiner: Oltmans, Andrew L

Atty. Docket: SwRI-2834

**DECLARATION OF GEOFFREY DEARNALEY UNDER 37 C.F.R. § 1.132
IN SUPPORT OF RESPONSE TO FINAL OFFICE ACTION**

I, GEOFFREY DEARNALEY, declare as follows:

1. I am an inventor in the referenced application. All statements made herein of my own knowledge are true and all statements made on information and belief are believed to be true.

2. I received a Bachelor's degree in Physics from the University of Cambridge in 1952 and a Ph.D. degree in Nuclear Physics from the University of Cambridge, in 1956. I was elected to Fellowship of the Royal Society of London in 1993. I worked for over 31 years at Harwell Laboratory of the U.K. Atomic Energy Authority (UKAEA) in the area of ion implantation and the effects of ionic bombardment on materials of all kinds. In April 1993, I began working for the Southwest Research Institute (SwRI), San Antonio, Texas, in the area of materials engineering. I was Vice President of the Materials and Structures Division at SwRI until 1998 and have been a consultant to SwRI since my retirement in December of 1998.

3. During my work in the area of materials engineering, I have worked extensively in the field of ion beam surface modification including the formation of "amorphous" carbon or "diamond-like" carbon (DLC) coatings, and multi-layered coatings (nano-composite coatings).